Remote Monitoring Software

RemoteManager

USER'S MANUAL

Thank you for purchasing our products.

Before operating the system, please read this User's Manual thoroughly and retain it for future reference.

EDITION : 20 Aug 2008

※ Picture might differ according to the specifications

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RemoteManager

1. Introduction

With this program installed on P/C, user can fully manage and monitor the images on DVR(s) over network. Maximum of 16 channels can be seen at once. The camera images can be seen from any position with the button on the screen when PTZ driver has been installed.

2. System Requirement

Recommended Specs

Category	Content
OS	Windows 2000 / XP / Vista
CPU	Pentium III 933MHz or Higher To Display 16ch with full motion, Pentium 4 is recommended
RAM	128MB
VGA	1024 × 768, 24bit color, DirectX support (Xvid Codec needed when playback backup file)
HDD	20MB free space

Minimum Specs

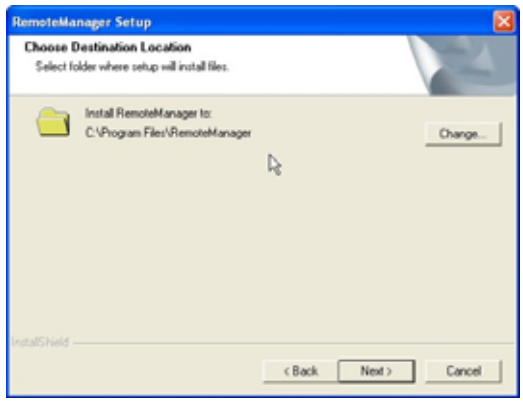
Category	Content
OS	Windows NT 4.0 / 2000 / XP / Vista
CPU	Pentium III / Celeron 500MHz or Higher
RAM	64MB
VGA	1024 × 768, 24bit color
HDD	20MB free space

3. Installation

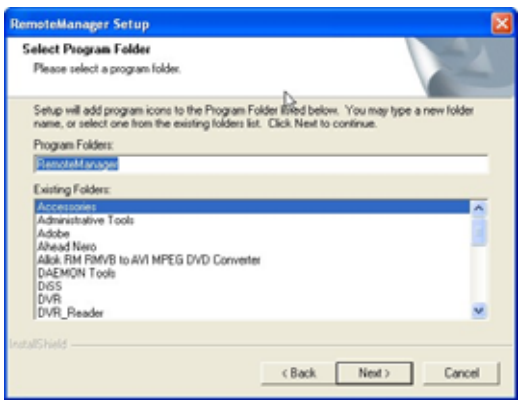
3.1 Run RemoteManagerSetup.exe on CD and then Setup Menu appears as below.

RemoteManager Setup
Welcome to the InstallShield Wizard for RemoteManager
The InstallShield® Wizard will install RemoteManager on your computer. To continue, click Next.
< Back
Next >
Cancel

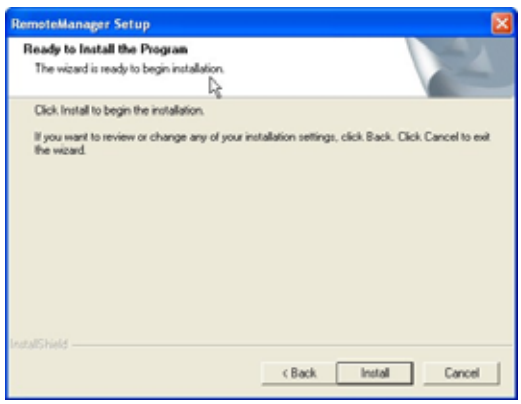
Press the [Next] button to move to the next screen.



Press [Change] button if you want to install the program in another directory.



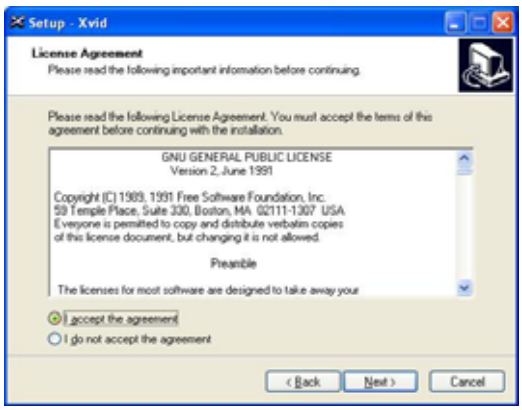
Select Program Folder.


RemoteManager Setup
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

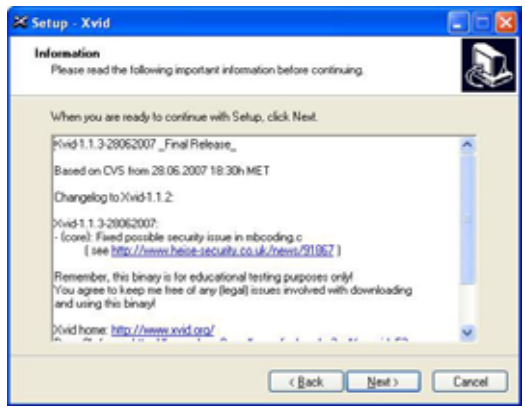
Click [Install] to begin installation

3.2 Install XviD Codec on your computer.

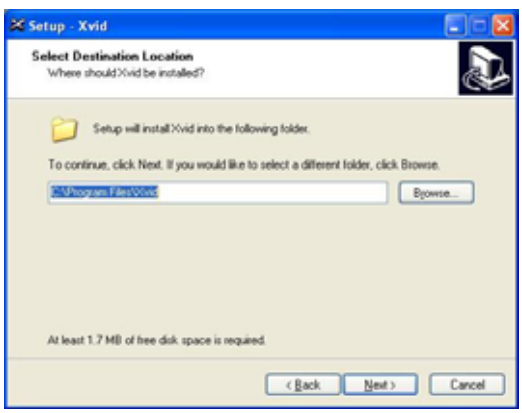
Setup - Xvid
Welcome to the Xvid Setup Wizard
This will install Xvid MPEG-4 Video Codec on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel


Setup - Xvid
License Agreement
Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble
The licenses for most software are designed to take away your
I accept the agreement
I do not accept the agreement
< Back
Next >
Cancel

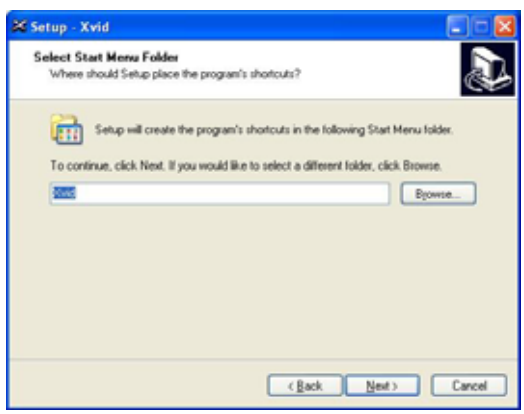
Select [I accept the agreement], and click [Next]


Setup - Xvid
Information
Please read the following important information before continuing.
When you are ready to continue with Setup, click Next.
Xvid-1.1.3-20062007 _Final Release_
Based on CVS from 28.06.2007 18:30h MET
Changelog to Xvid-1.1.2:
Xvid-1.1.3-20062007:
- (core): Fixed possible security issue in mbcoding.c
[see http://www.heise-security.co.uk/news/91067]
Remember, this binary is for educational testing purposes only!
You agree to keep me free of any (legal) issues involved with downloading and using this binary!
Xvid home: http://www.xvid.org/
< Back
Next >
Cancel

Click [Next]

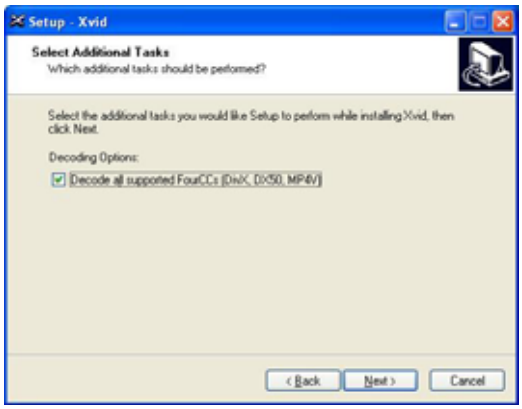

Setup - Xvid
Select Destination Location
Where should Xvid be installed?
Setup will install Xvid into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Xvid
Browse...
At least 1.7 MB of free disk space is required.
< Back
Next >
Cancel

Select Destination Location for Xvid

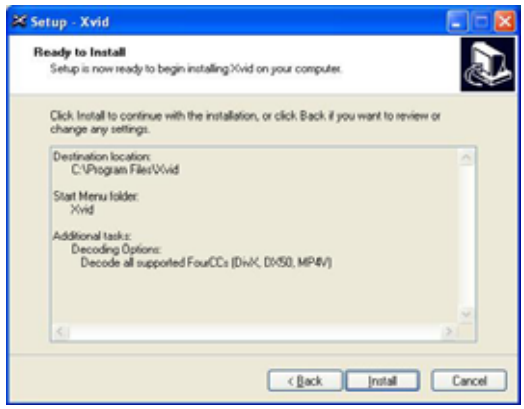

Setup - Xvid
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Xvid
Browse...
< Back
Next >
Cancel

Select Start Menu Folder for Xvid

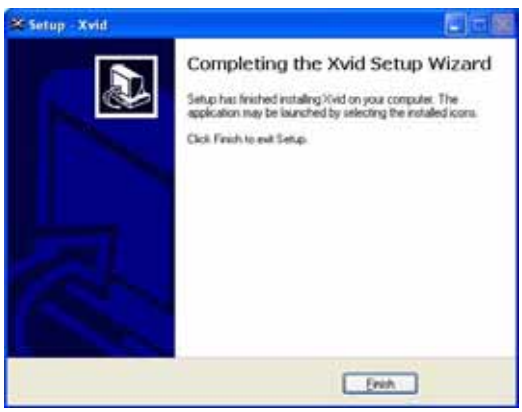
RemoteManager


Setup - Xvid
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing Xvid, then click Next.
Decoding Options:
Decode all supported FourCCs (DivX, DX50, MP4V)
< Back
Next >
Cancel

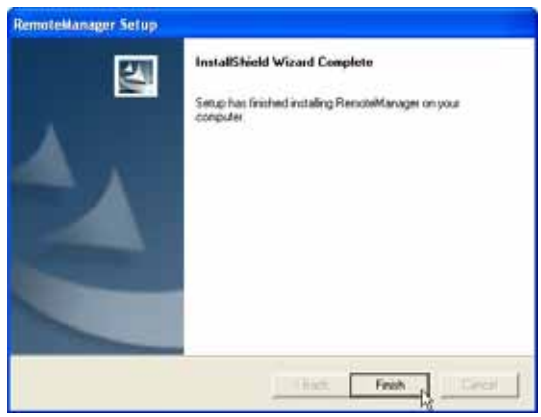
Select Decoding Options, and click [Next]


Setup - Xvid
Ready to Install
Setup is now ready to begin installing Xvid on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\Xvid
Start Menu folder:
Xvid
Additional tasks:
Decoding Options:
Decode all supported FourCCs (DivX, DX50, MP4V)
< Back
Install
Cancel

Click [Install]


Setup - Xvid
Completing the Xvid Setup Wizard
Setup has finished installing Xvid on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Finish

Complete Xvid Codec setup



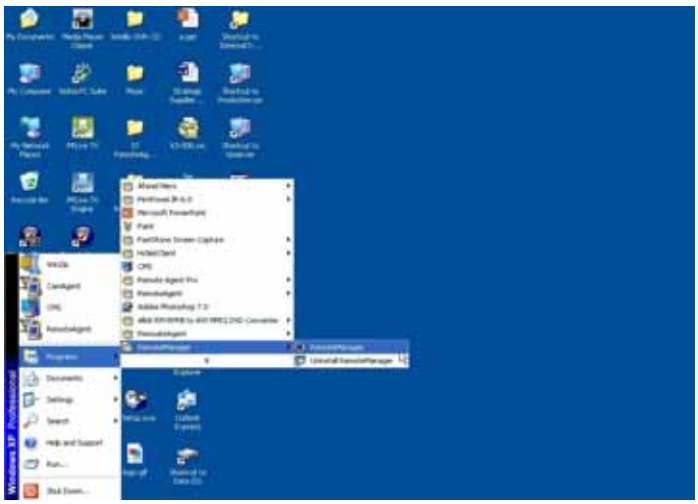
Finish RemoteManager Program installation

NOTE on Windows Vista

1) If user has installed RemoteManager on Windows Vista–Aero Version, video image may not be properly displayed.
2) User needs to change “Appearance Setting” as per below procedure.
   - Go to the “Control Panel”
   - Click the “Appearance and Personalization > Personalization”
   - Click the “Window Color and Appearance”
   - Click the “Open classic appearance properties for more color options””
   - Select the “Windows Vista Basic” or “Windows Standard” in Color Scheme.
   - Click “OK”

4. Basic Operation

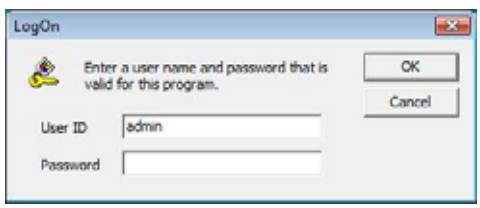
4.1 Execute



Select RemoteManager from Start > Program list

Or
click on RemoteManager icon on Desktop

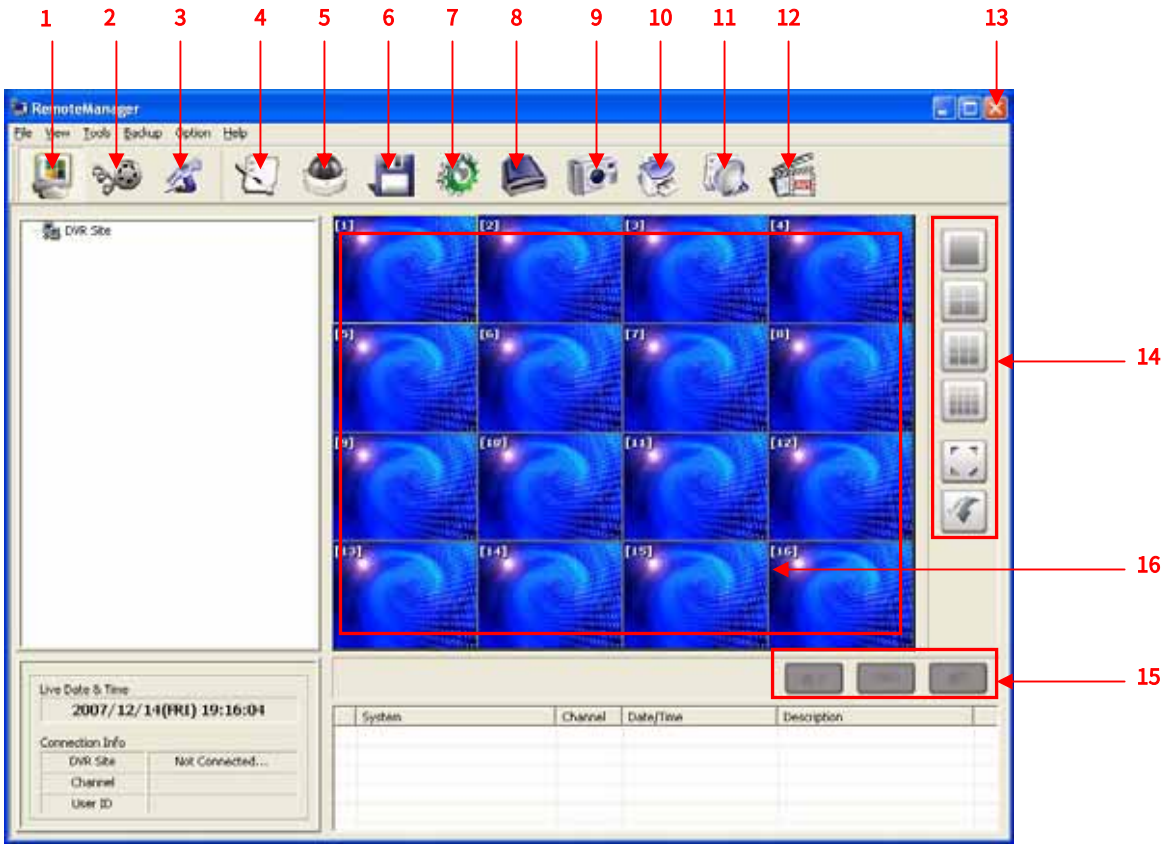
4.2 Log on



Input User ID and Password, then press [OK].
Default ID and password for administrator is “admin” and “1234”, which is the highest level of authority for the operation of DVR and RemoteManager.

Default ID and Password for Administrator
- User ID: admin
- Password: 1234

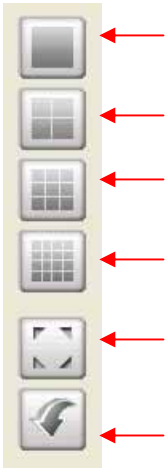
5. Screen Layout



1. Live Mode : Showing live image
2. Playback (VOD) Mode : Playback (Video On Demand) recorded image
3. RemoteManager Setting : Option setup of RemoteManager
4. DVR Site Registration : Add / Modify Site List and User List
5. PTZ Camera Control : Control camera PTZ & Focus
6. Backup Live : Save live video into PC (SSF or AVI format selectable)
7. Remote Configuration : Remote setup DVR
8. Backup Archive : Backup recorded video from DVR to PC
9. Saving Snap-Shot : Save picture to PC
10. Still Printing : Print out image
11. Log Event Search : Showing event in server & find image
12. AVI Converter : Convert SSF file to AVI format

5. Screen Layout

13. Exit RemoteManager program
14. Screen Division Selection : Change screen division mode



Single channel

4 channel division

9 channel division

16 channel division

Full screen mode

Screen Rotation

Switching interval can be set at

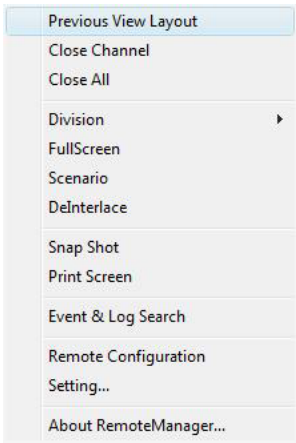
RemoteManager Setting > Remote Options > Screen Switching Interval

15. Alarm and Audio : Alarm on/off, 2-way Audio, Audio mute

* 2-way audio is available for Video Streamer only.

16. Channel Screen : Transmitted images of camera are shown in each channel screen.

Left click with mouse and then the chosen screen is indicated by yellow border.



Right click mouse, “Hot-cut” menu will appear

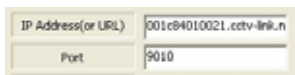
6. DVR Site Registration

6.1 Select DVR Site Registration icon

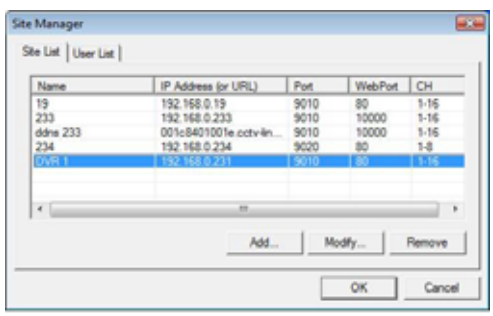
6.2 In Site Manager, select [Site List] and click [Add] to add or click [Modify] to amend DVR site information

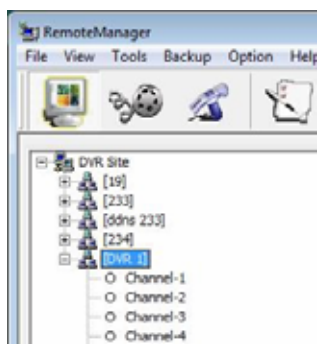
Default Port # : 9010

In case of DDNS connection, you need input URL as per following format:
[mac address].[ddns link]
e.g. 001c84010021.cctv-link.net



6.3 In Site Property, input DVR Name, IP, User ID, Password, Port, Web Port and Channel#, then click [OK]

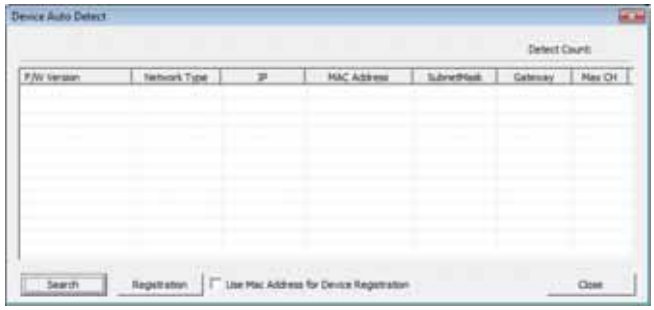




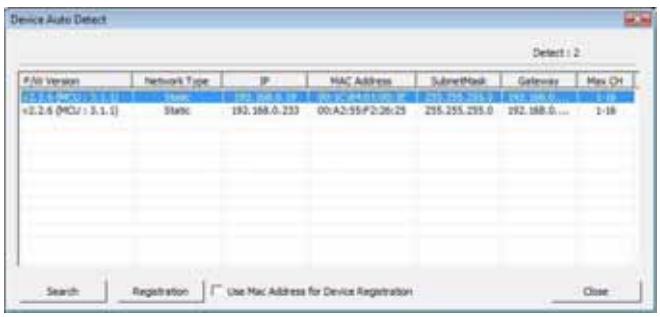
6.4 New DVR information will show at DVR Site panel, after click [OK].

6. DVR Site Registration (Device Auto Detect)

6.5 In Site Property, select [Search], Device Auto Detect window will pop up.

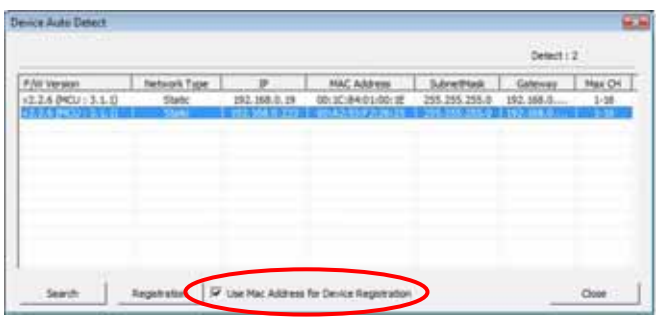


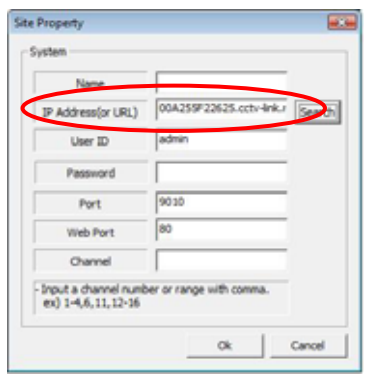
6.6 Click [Search], all DVRs connected over the network will be listed out.



Select the DVR and click [Registration], DVR's IP, User ID, Port and Web Port information will be shown in Site Property automatically. Then fill in the Name, Password and Channel, and click [OK].

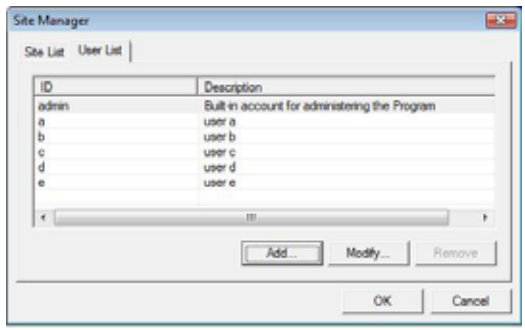
6.7 If select [Use Mac Address for Device Registration], and then click [Registration], DVR's mac address & cctv-link.net will be shown in Site Property automatically.



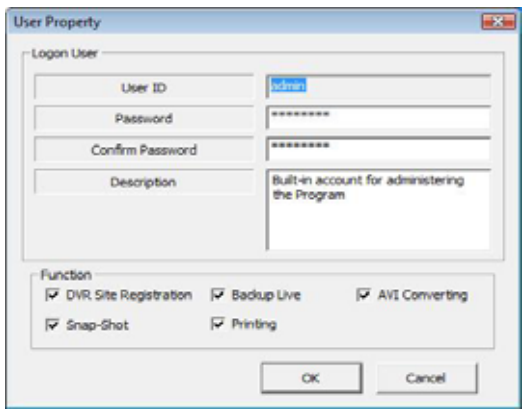


6. DVR Site Registration (User List)

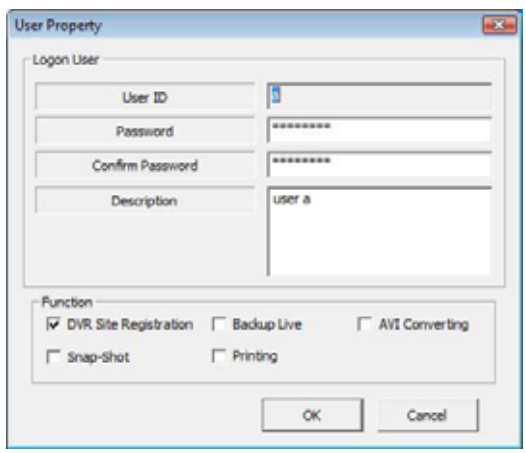
6.8 In Site Manager, select [User List] and click [Add] to add or click [Modify] to amend User's properties.



6.9 "admin" is the built-in account for administrating the DVR and RemoteManager program



6.10 Other normal users can be assigned with different level of authority.

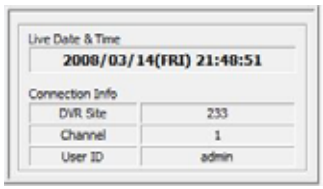


7. Live Connection

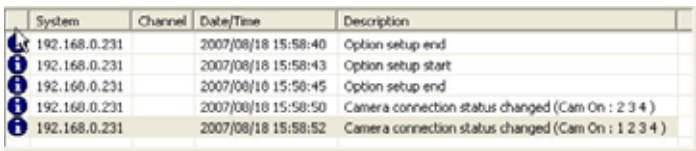
7.1 Select Live Mode icon

7.2 Select a site from the DVR Site panel. Then with the mouse, drag it to the Channel Screen.

7.3 Show live date & time, connection information of the DVR site.



7.4 Indicate event occurred - Show live date & time, connection information of the DVR site.



System	Channel	Date/Time	Description
192.168.0.231		2007/08/18 15:58:40	Option setup end
192.168.0.231		2007/08/18 15:58:43	Option setup start
192.168.0.231		2007/08/18 15:58:45	Option setup end
192.168.0.231		2007/08/18 15:58:50	Camera connection status changed (Cam On : 2 3 4)
192.168.0.231		2007/08/18 15:58:52	Camera connection status changed (Cam On : 1 2 3 4)

7.5 Show channel#, resolution, live date & time of the connected channel.

7.6 Enable / Disable alarm out, 2-way audio, audio mute.

* 2-way audio is available for Video Streamer only.

8. Playback Connection

8.1 Select Playback(VOD) Mode icon

8.2 Select a site from the DVR Site panel. Then with the mouse, drag it to the Channel Screen.

8.3 Select date on calendar, and input playback time

8.4 User can also search video by using 0~24 hour Intelli-Search bar

Enable [Play DST] to play DST video.
When DST finishes, the “one hour” overlapped data is shown in BLUE color in Intelli-Searh bar.

8.5 Then click forward play or backward play icon

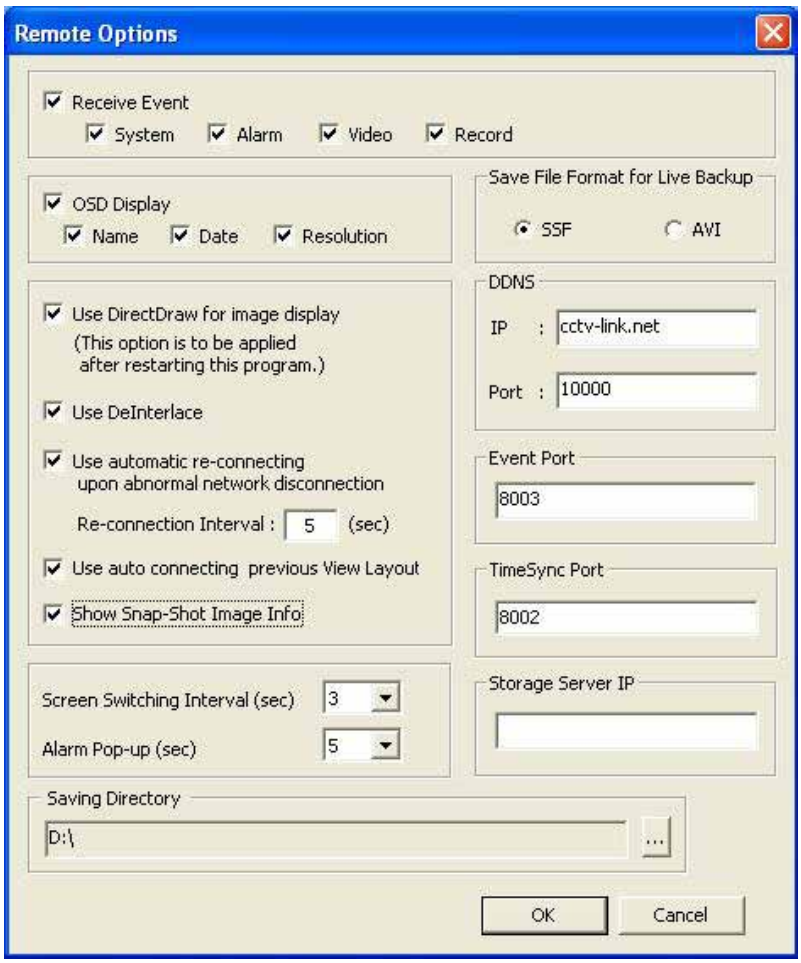
8.6 User can adjust playback speed

8.7 Show DVR channel#, resolution, recorded date & time of the connected channel.

8.8 Enable / Disable audio mute

9. RemoteManager Setting

Select RemoteManager Setting icon



1. Receive Event
   Select type of event to receive from DVR sites

2. OSD Display
   Select On-Screen-Display information

3. Save File Format for Live Backup
   Select live backup file format

4. DDNS
   Setup DDNS IP (or Link) and Port

9. RemoteManager Setting

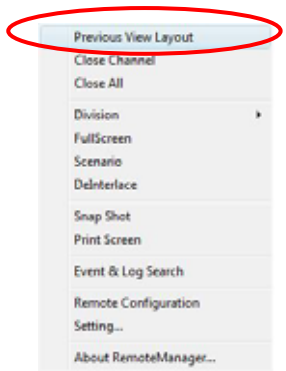
5. Enable / Disable DirectDraw & DeInterlace
If image cannot be displayed properly, disable DirectDraw and then restart RemoteManager
(For Windows Vista, this DirectDraw may be disabled automatically)

6. Use DeInterlace
Enable / Disable DeInterlace

7. Automatic re-connect
Setup automatic re-connection interval

8. Use auto connecting previous View Layout
It will remember the live connection channels layout.
When restart RMS, it will auto connect to the channels as per previous logon.

In Live Connection Mode, user can select [Previous View Layout] in Hot-Cut menu to recall previous connection channels.



9. Screen Switching Interval (sec)
Select screen rotation interval time

10. Alarm Pop-up (sec)
Select alarm pop-up time

11.Event Port
Setup event receiving port

12.TimeSync Port
Setup port for time sync

13.Storage Server IP
Setup storage server IP (Video Streamer only)

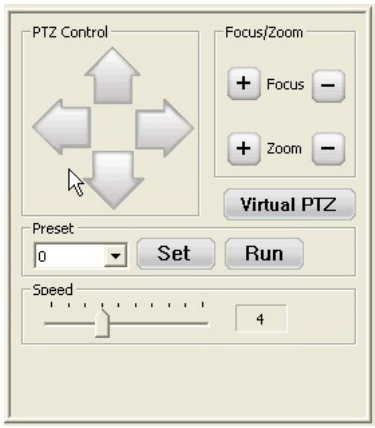
14.Saving Directory
Select folder for saving backup image

Click to browse folder

15. Show Snap-Shot Image Info
Add site name, channel title & number, date & time in snap-shot.

10. PTZ Camera Control

10.1 Select PTZ Camera Control icon



PTZ Control : Camera can be moved up, down, left and right

Focus/Zoom : Adjust focus of lens, zoom in & out

Preset : Setup preset location

Speed : Adjust moving speed of camera

Virtual PTZ : PTZ can be controlled by clicking mouse on channel screen directly

Fast moving

Slow moving

Zoom In

Zoom Out

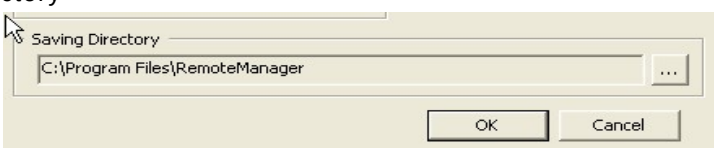
11. Backup Live

11.1 Connect to desired DVR site in Live mode, then click on the channel screen to select camera for live backup (chosen camera to be indicated by yellow border).

11.2 Select Backup Live icon

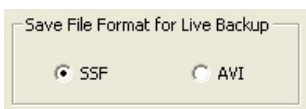
11.3 Then, it will start saving live video, and [Recroding…] will be displayed on selected channel. Click Backup Live icon again to stop saving, it will show “Backup complete!” message.

11.4 User can change the saving folder at RemoteManager Setting > Remote Options > Saving Directory



Saving Folder => C:\Program Files\RemoteManager\ArchiveData\ [DVR site name] \ [Date] \
Video clip file name => hhmmssxx.ssf or hhmmssxx.avi (xx+1 is channel number)

11.5 User can select the saving file format (SSF or AVI) at RemoteManager Setting > Remote Options > Save File Format for Live Backup



12. Remote Configuration

12.1 Connect to desired DVR site in Live mode, then click on the channel screen to select camera of DVR for remote configuration (chosen camera to be indicated by yellow border).

12.2 Select Remote Configuration icon

12.3 Web Login page of DVR will pop up
Input User ID and Password of DVR to login.

※ Default administrator ID and password of DVR:
ID: admin Password: 1234

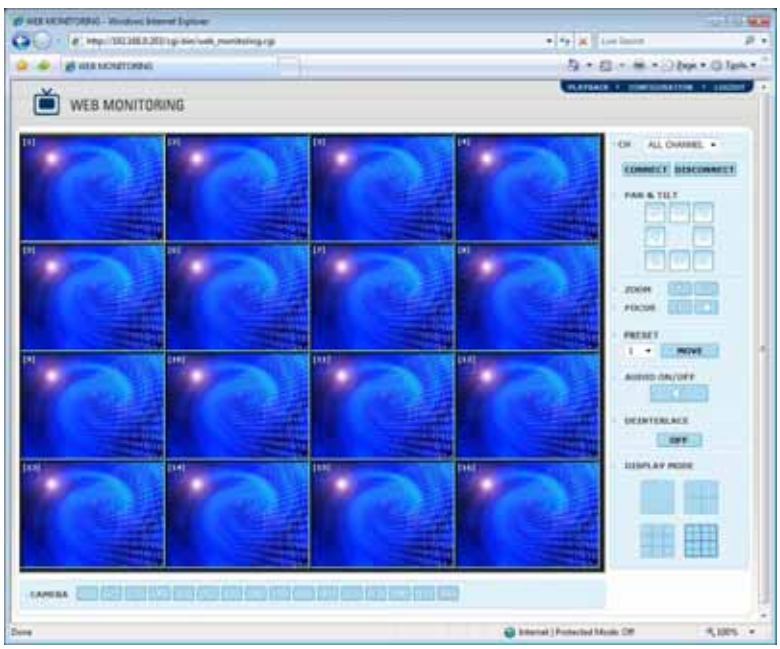
12. Remote Configuration

12.4 User has to install ActiveX file at workstation P/C.

Internet Explorer - Security Warning
Do you want to install this software?
Name: Web Monitoring Plug-In 2.0.0.1
Publisher: Yes Communication
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

Security Setting of IE web browser has to be properly made.

12.5 After ActiveX installed, Web page will be shown as below.



Click [Playback] to go to Web Playback page.

Click [Configuration] to go to Web setup page.

There are 5 kinds of configuration categories :

A) SYSTEM
B) SERVICE
C) RECORD
D) NETWORK
E) QUICK SETUP

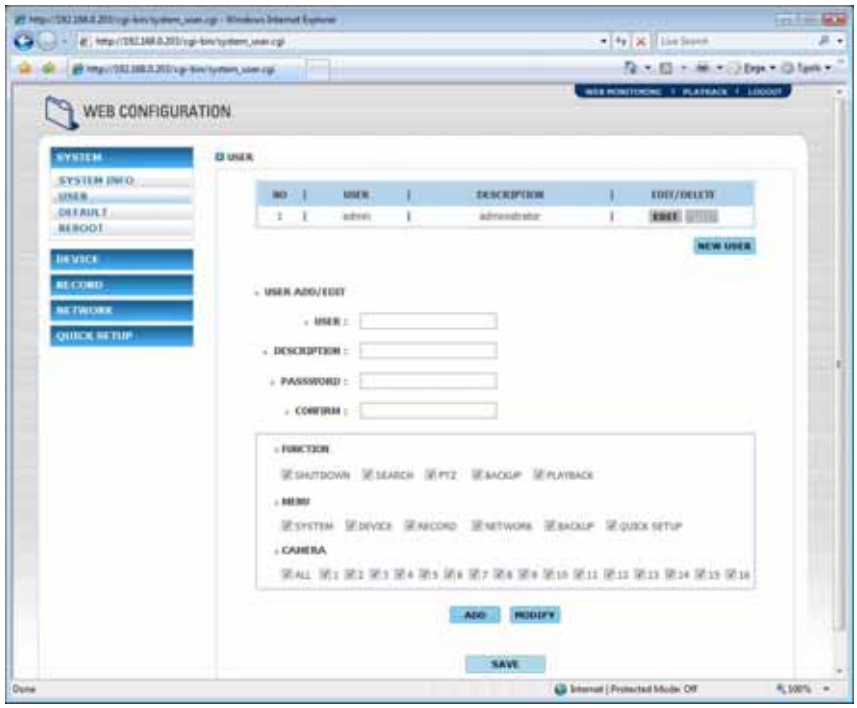
12. Remote Configuration

12.6.A.1 In SYSTEM > SYSTEM INFO tab,
you can setup DVR's Date/Time, Display format and HDD overwrite.

You have to click [SAVE] to apply new setting.

12. Remote Configuration

12.6.A.2 In SYSTEM > USER tab,
you can add or edit user's password and level of authority.



Click [EDIT] to modify existing user, and then click [MODIFY] to apply change.

Click [NEW USER] to add new user, and then add [ADD].

12. Remote Configuration

12.6.A.3 In SYSTEM > FACTORY DEFAULT tab,
you can initialize the system setup as released from the factory.

User will lose all the system setup after rebooting the system, and have to setup again network configuration to connect.

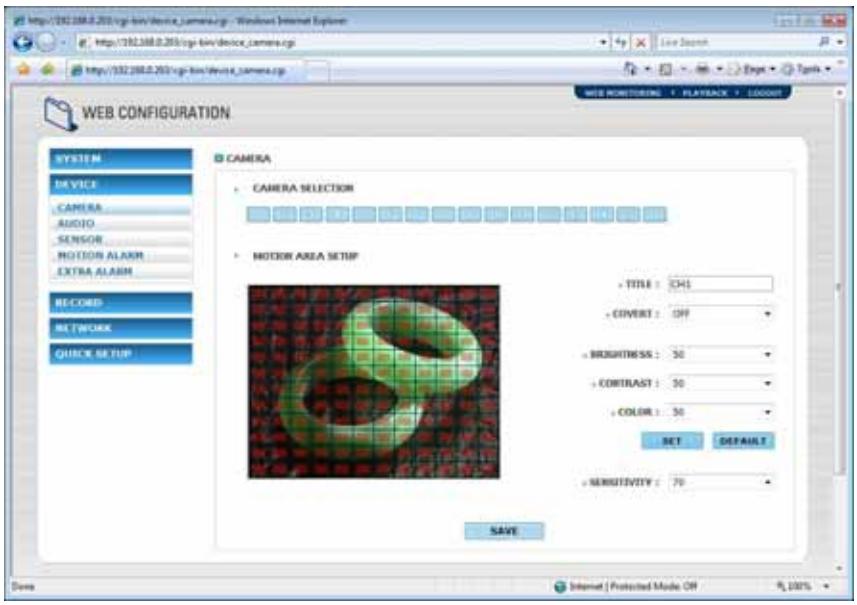
12.6.A.4 In SYSTEM > SYSTEM REBOOT tab,
you can reboot the system without any change of the setup.

WEB CONFIGURATION
SYSTEM
SYSTEM INFO
USER
DEFAULT
REBOOT
DEVICE
RECORD
NETWORK
QUICK SETUP
SYSTEM REBOOT
"System Reboot" enables user to reboot the system without any change of the setup. User can use this function when the network is disconnected due to abnormal operation of the system and try to reconnect. However, IP number assigned to the system may be changed in case of DHCP mode.
REBOOT

User can use this function when the network is disconnected due to abnormal operation of the system and try to reconnect. However, IP number assigned to the system may be changed in case of DHCP mode.

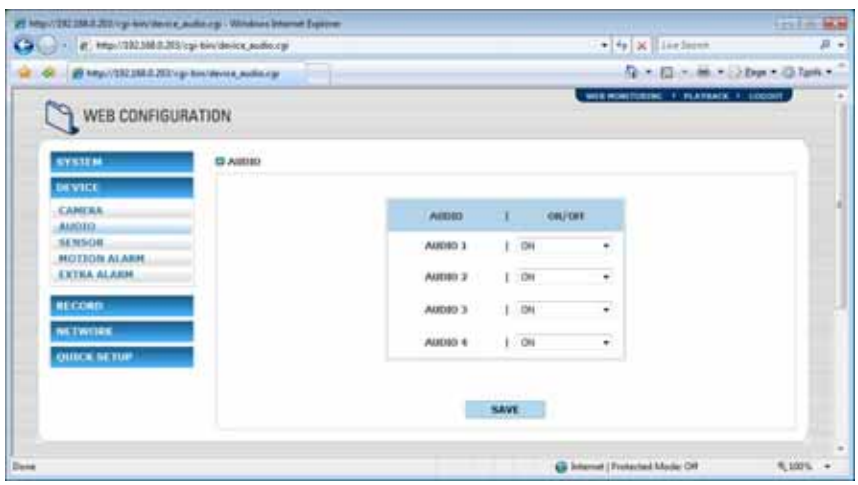
12. Remote Configuration

12.6.B.1 In DEVICE > CAMERA tab,
you can setup Camera color and motion detection of each camera..



Click [SAVE] to apply new setting.

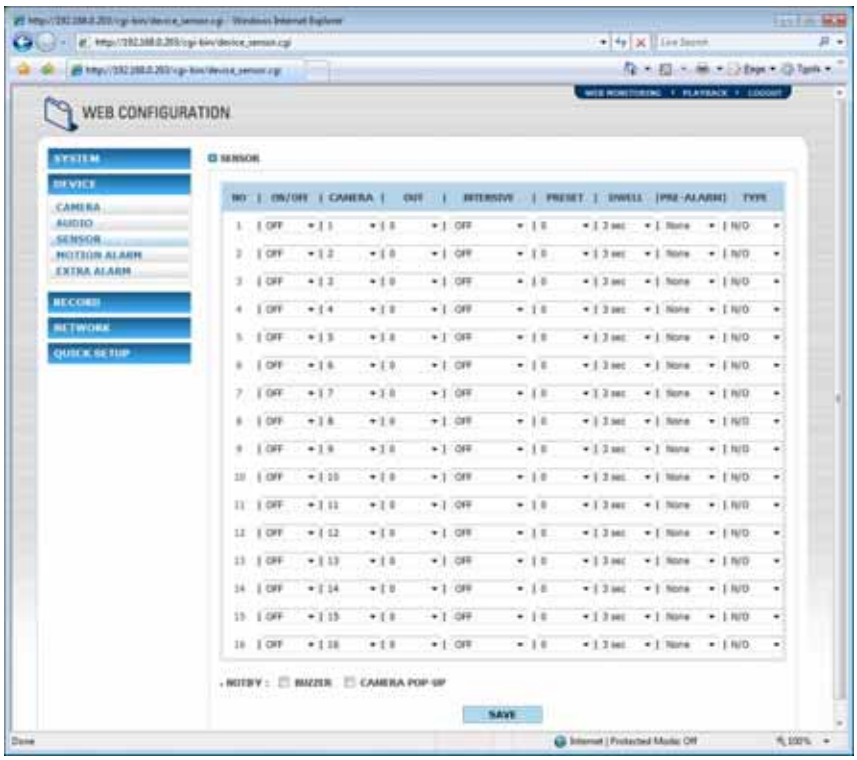
12.6.B.2 In DEVICE > AUDIO tab, you can turn on/off audio channels



Click [SAVE] to apply new setting.

12. Remote Configuration

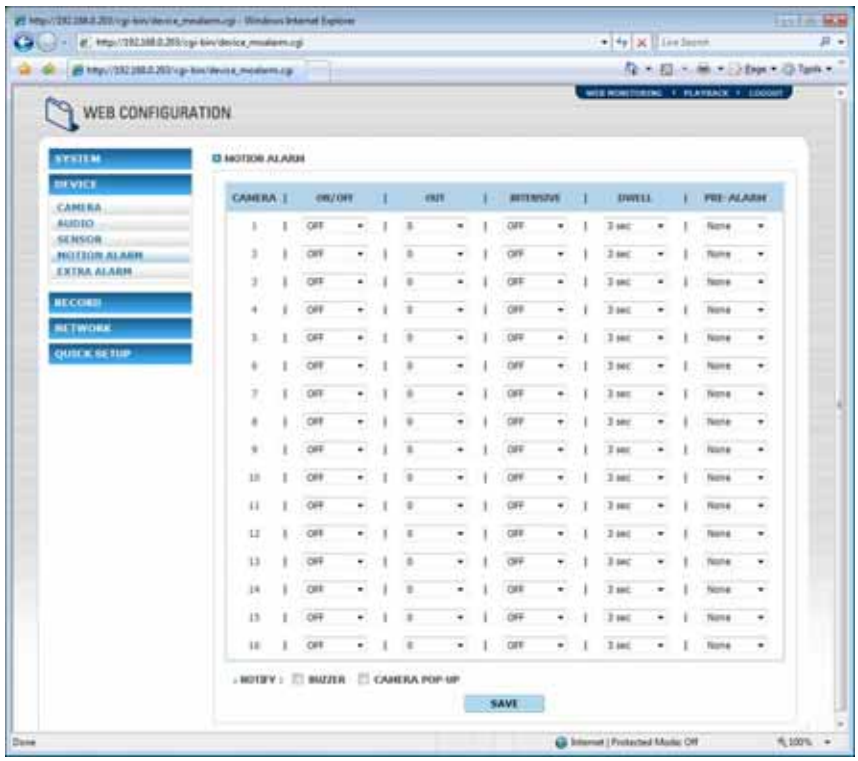
12.6.B.3 In DEVICE > SENSOR tab, you can setup Sensor for each channel.



Select Notify Mode, and then click [SAVE] to apply.

12. Remote Configuration

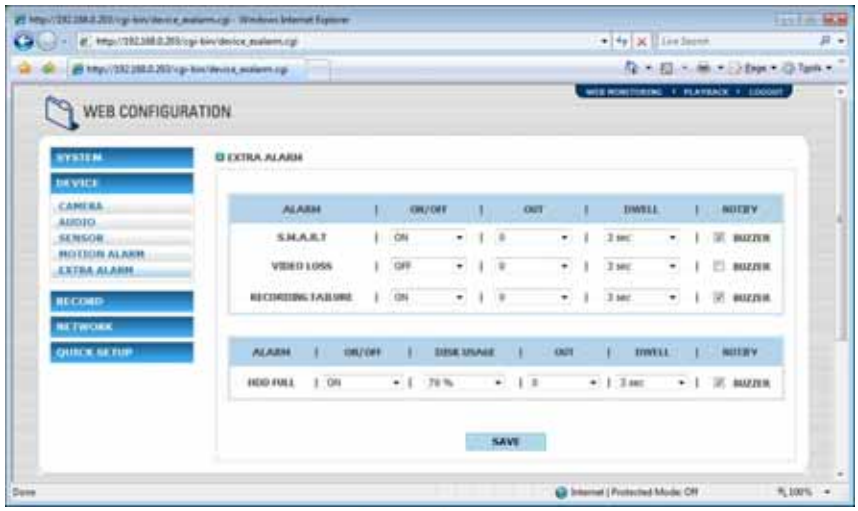
12.6.B.4 In DEVICE > MOTION ALARM tab, you can setup Motion Alarm of each camera.



Select Notify Mode, and then click [SAVE] to apply.

12. Remote Configuration

12.6.B.5 In DEVICE > EXTRA ALARM tab, you can setup Extra Alarm of DVR.



S.M.A.R.T : setup alarm for HDD health

VIDEO LOSS: setup alarm for video loss

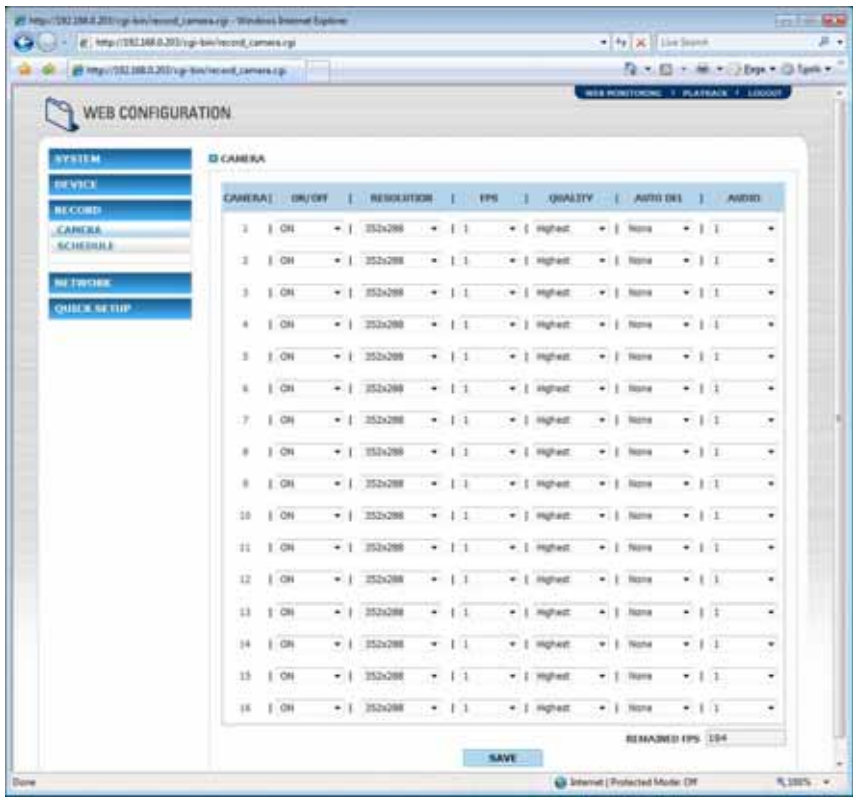
RECORDING FAILURE: setup alarm for DVR recording failure

HDD FULL: setup alarm when HDD reaches to defined Disk Usage %

Click [SAVE] to apply change.

12. Remote Configuration

12.6.C.1 In RECORD > CAMERA tab,
you can setup Camera On/Off, Resolution, FPS, Quality, Auto Delete and Audio for each channel.

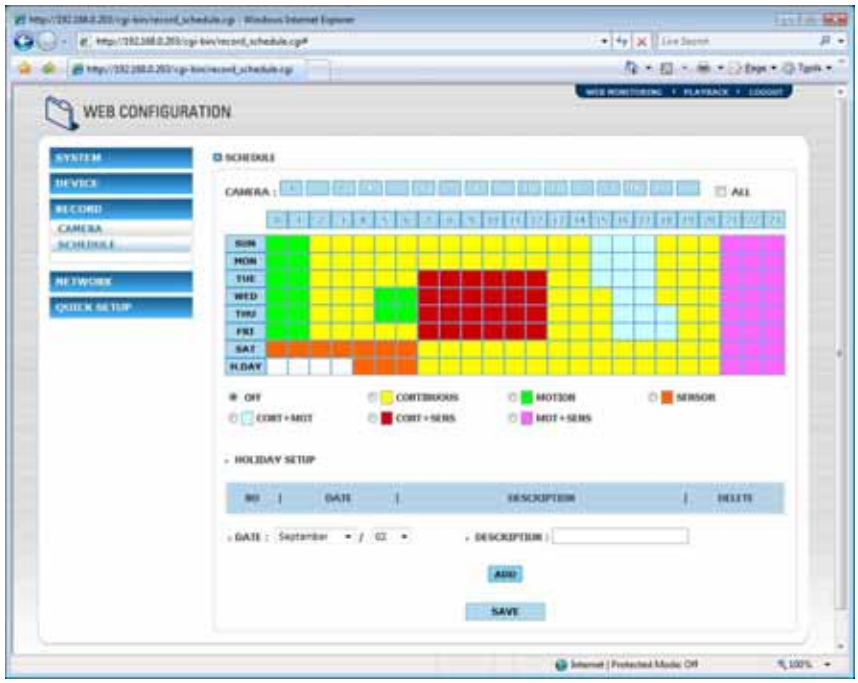


You can adjust frame per second (FPS) and resolution of each camera, based on the REMAINED FPS left.

Clikc [SAVE] to apply new setting.

12. Remote Configuration

12.6.C.2 In RECORD > SCHEDULE tab, you can setup Recording Schedule of each channel.

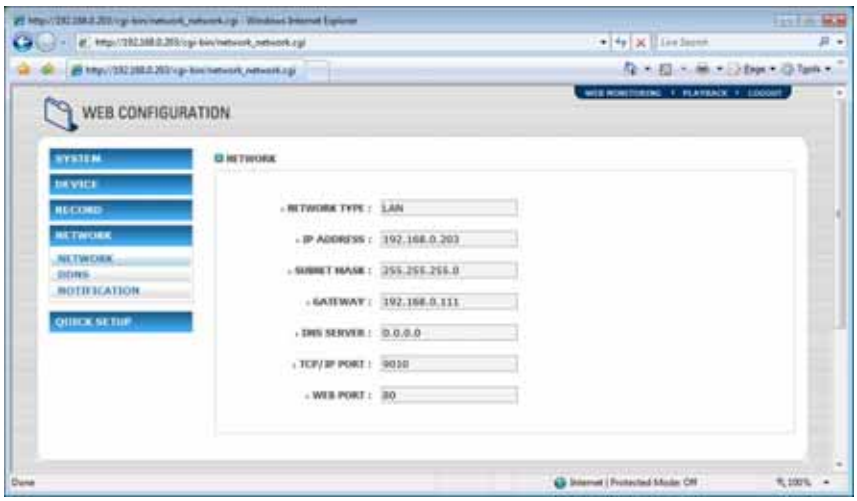


You can add Holiday by clicking [ADD].

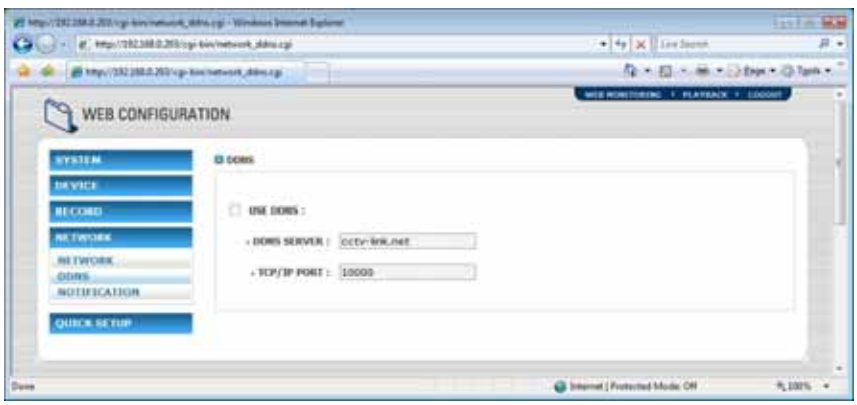
Click [SAVE] to apply new setting.

12. Remote Configuration

12.6.D.1 In NETWORK > NETWORK tab, it will show Network information of the DVR



12.6.D.2 In NETWORK > DDNS tab,
it will show DDNS Server and Port information of the DVR



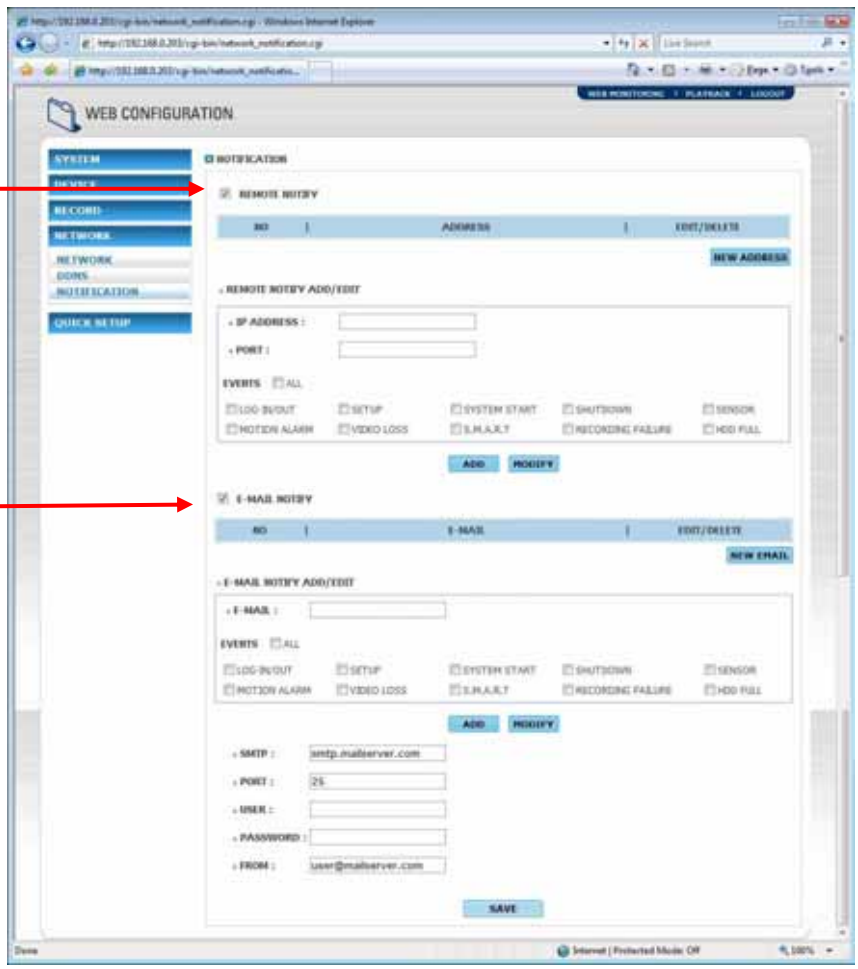
You cannot change any setting in above 2 tabs.

12. Remote Configuration

12.6.D.3 In NETWORK > NOTIFICATION tab,
you can setup Remote Notify and E-mail Notify.

Enable / Disable
REMOTE NOTIFY.

Enable / Disable
E-MAIL NOTIFY.



Click [NEW ADDRESS] to add new remote notify IP.
You can also Edit / Delete remote notify IP by clicking [EDIT] or [DELETE].
Click [ADD] / [MODIFY] to configure type of events.

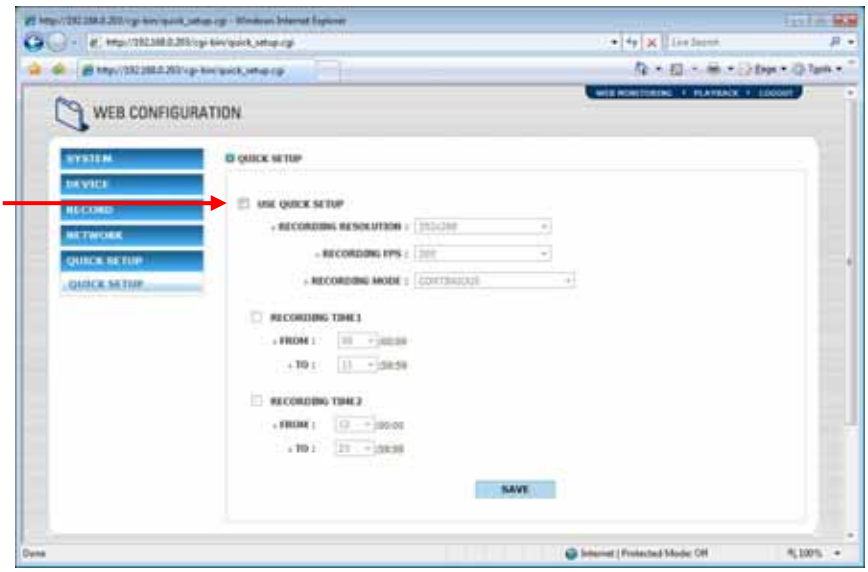
Click [NEW EMAIL] to add new e-mail address.
You can also Edit / Delete e-mail address by clicking [EDIT] or [DELETE].
Click [ADD] / [MODIFY] to configure type of events.

Lastly, click [SAVE] to apply new setting.

12. Remote Configuration

12.6.E.1 In QUICK SETUP > QUICK SETUP tab, you can configure Quite Setup of DVR.

Enable / Disable QUICK SETUP.



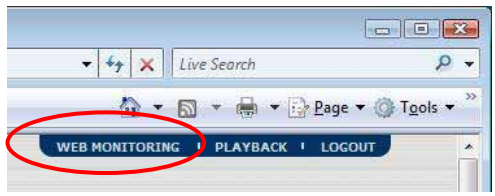
You can configure:
- Recording Resolution
- Recording FPS
- Recording Mode
- Recording Time

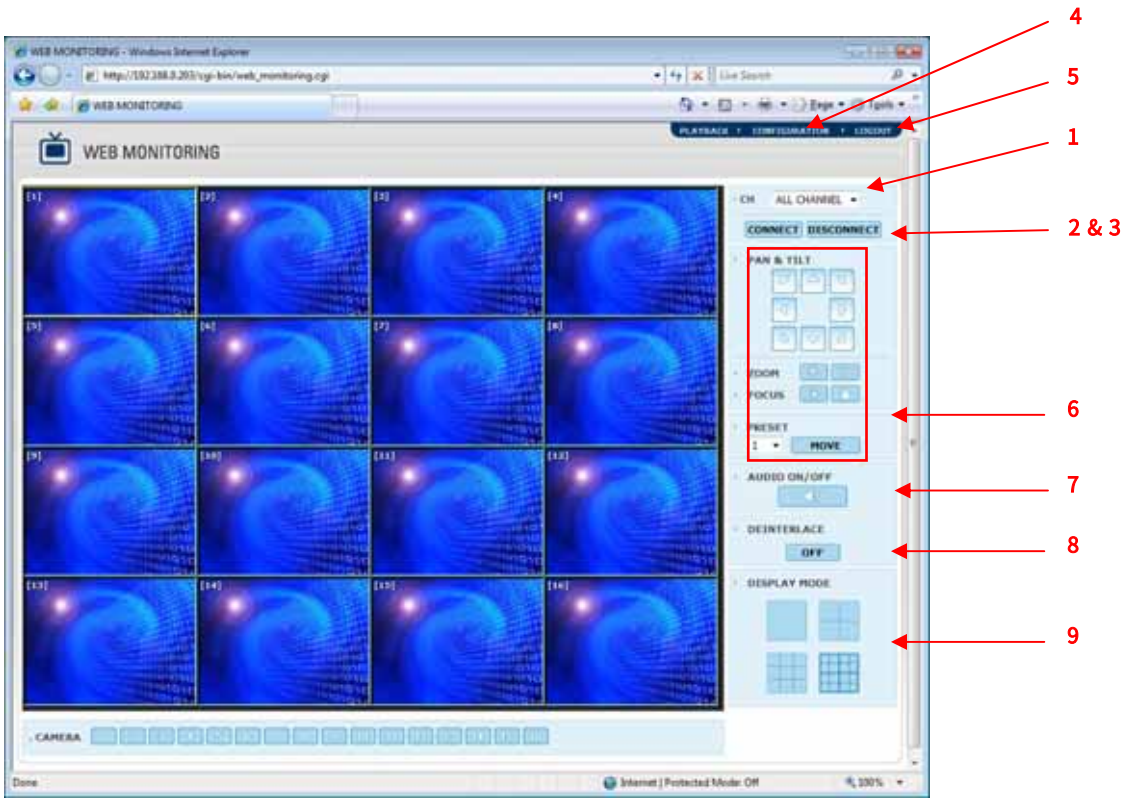
Click [SAVE] to apply change.

12. Remote Configuration

12.7 Live Monitoring

Click Web Monitoring to go to live monitoring page



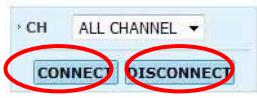


1. Select channels for connect or disconnect.
2. Connect selected channel.
3. Disconnect selected channel.
4. Go to Web Configuration page.
5. Log out to go back to Web Login page.
6. PTZ control
7. On & Off audio
8. On & Off Deinterlace
9. Select display of 1, 4, 9 or 16 screen mode

12. Remote Configuration

Connection of Live Monitoring : Select channel and then click [CONNECT]

Disconnection of Live Monitoring : Select channel and then click [DISCONNECT]

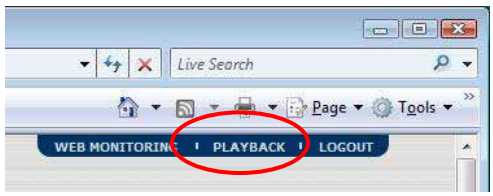


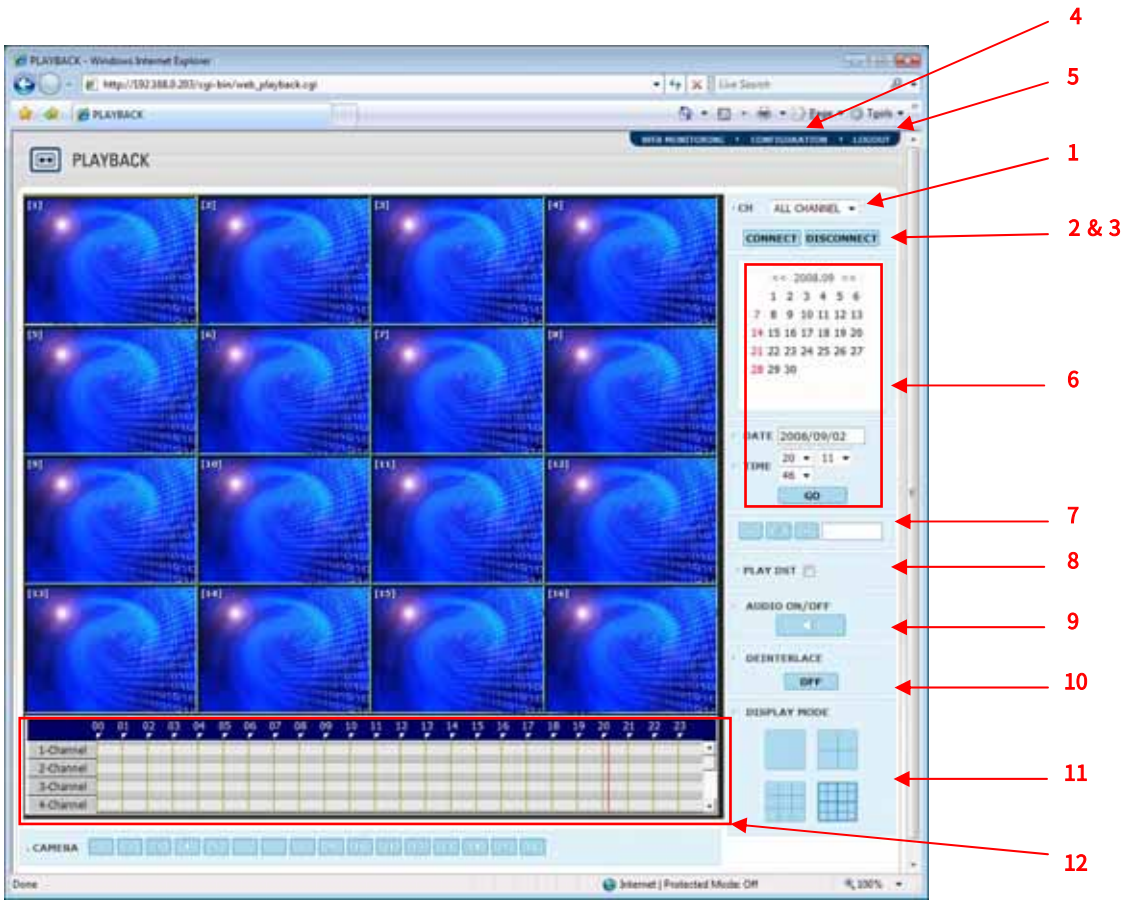
Right click on single screen channel, select [Full Screen] to enlarge image.

12. Remote Configuration

12.8 Playback

Click Plackback to go to playback page



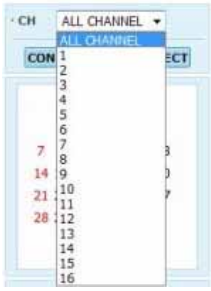


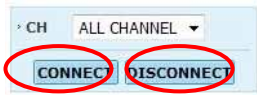
1. Select channels for connect or disconnect.
2. Connect selected channel.
3. Disconnect selected channel.
4. Go to Web Configuration page.
5. Log out to go back to Web Login page.
6. Calendar, date and time search
7. Play forward/backward control
8. Play DST data
9. On & Off audio
10. On & Off Deinterlace
11. Select display of 1/4/9/16 screen mode
12. Intelli-Search bar

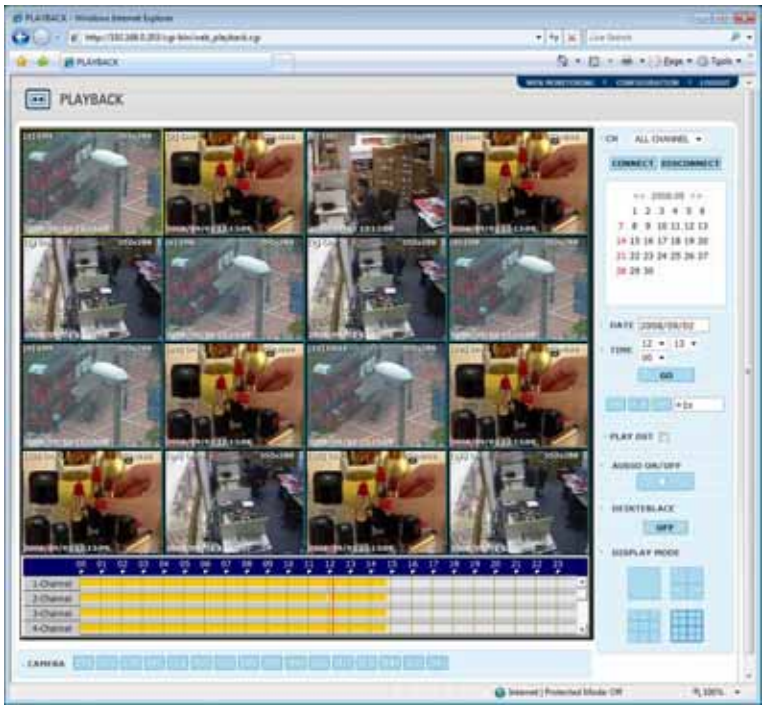
12. Remote Configuration

Connection of Playback : Select channel and then click [CONNECT]

Disconnection of Playback : Select channel and then click [DISCONNECT]







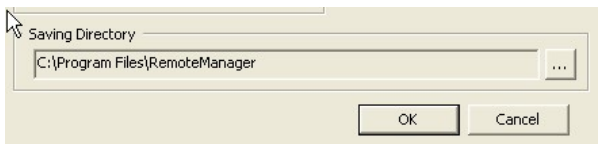
13. Backup Archive

13.1 Firstly, go to Playback (VOD) Mode, and playback desired video.

13.2 Select Backup Archive icon

13.3 In Connected System List, select DVR site, and then select [VOD Backup] or [Remote File Copy].

13.4 In case of [VOD Backup], select Date, Channel, Start Time, and End Time.

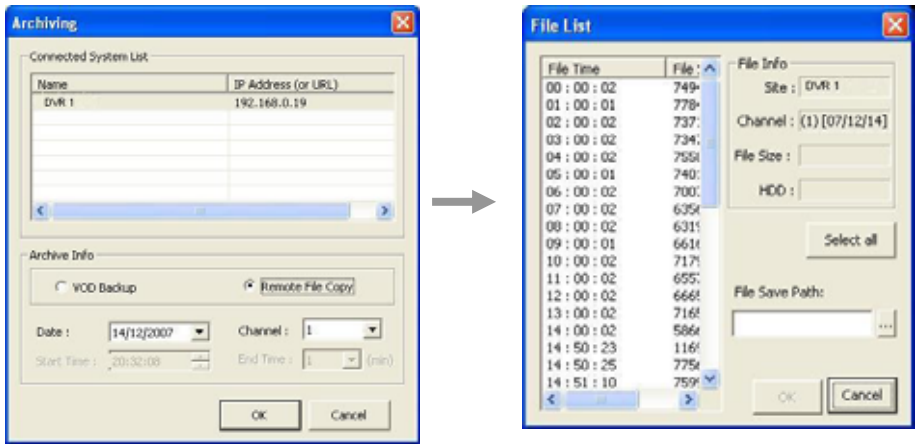


User can change the saving folder at RemoteManager Setting > Remote Options > Saving Directory

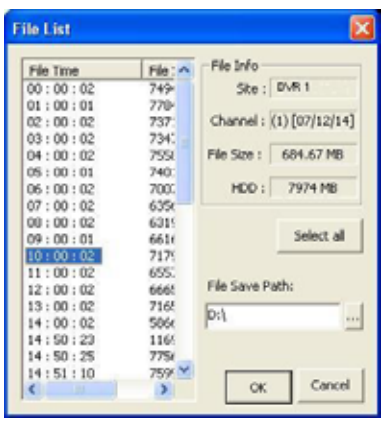
Saving Folder => C:\Program Files\RemoteManager\ArchiveData\ [DVR site name] \ [Date] \
Video clip file name => hhmmssxx.ssf or hhmmssxx.avi (xx+1 is channel number)

13. Backup Archive

13.5 In case of [Remote File Copy], select Date, and Channel.
Click [OK], File List will pop up.



13.6 Select desired File Time and File Save Path, then File Size and HDD size information will be displayed.

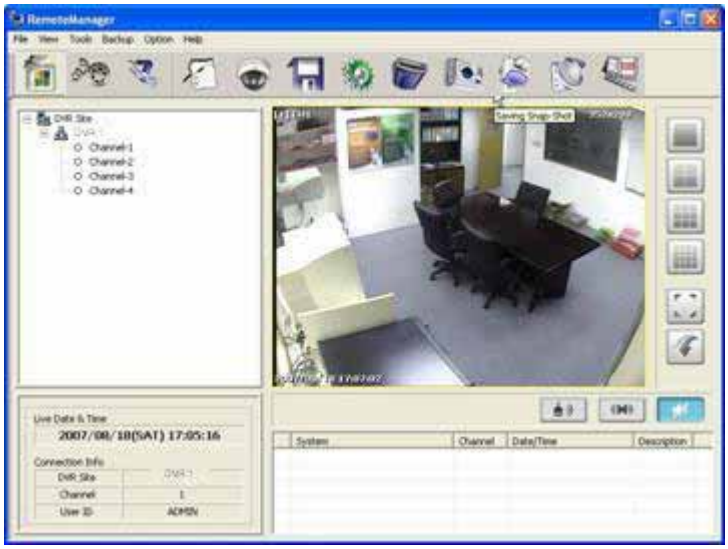


Click [OK] to start backup.

Saving Folder => D:\RemoteFileData\ [DVR site name] \ [Date] \
Video clip file name => hhmmssxx.ssf or hhmmssxx.avi (xx+1 is channel number)

14. Saving Snap-Shot

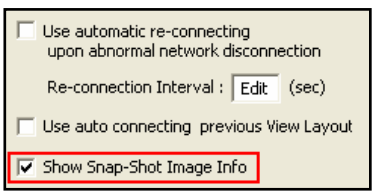
14.1 Firstly, connect desired channel either in Live Mode or Playback (VOD) Mode.



14.2 Select Saving Snap-Shot icon

14.3 Select location for saving image in PC
Image can be saved in JPEG, PNG or BMP format.

14.4 User can select option “Show Snap-Shot Image Info” in Remote Option
Site name, channel title & number, date & time will be displayed in snap-shot.


Use automatic re-connecting
upon abnormal network disconnection
Re-connection Interval : Edit (sec)
Use auto connecting previous View Layout
Show Snap-Shot Image Info

15. Still Printing

15.1 Firstly, connect desired channel either in Live Mode or Playback (VOD) Mode

15.2 Select Still Printing icon

15.3 Select printer to print out

15.4 Recording Information will be printed with:
Current Date, Current Time, Camera or Channel Number, Camera Position/Site

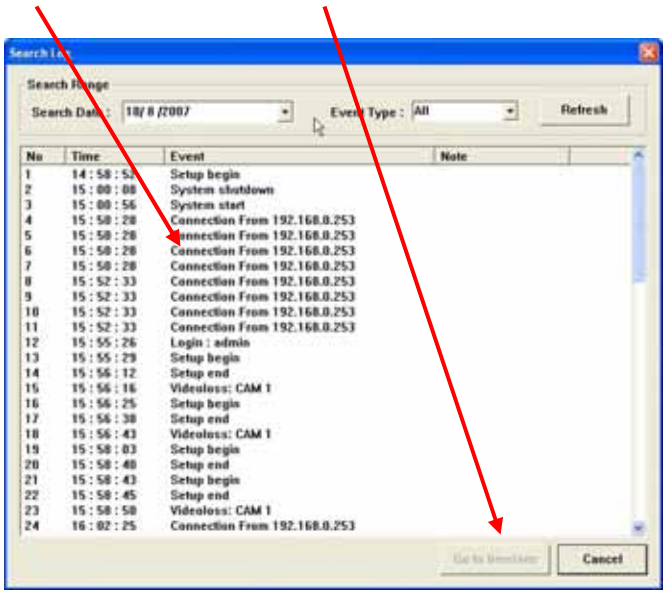
16. Log Event Search

16.1 Firstly, connect desired DVR site in either Live Mode or Playback (VOD) Mode.

16.2 Select Log Event Search icon

16.3 Input Search Date, Event Type and then click [Refresh]

16.4 Select specified event, and click [Go to timelane] to playback video of the event.


Search Range
Search Date : 18/ 8 /2007
Event Type : All
Refresh
No
Time
Event
Note
1 14 : 58 : 52 Setup begin
2 15 : 00 : 08 System shutdown
3 15 : 00 : 56 System start
4 15 : 58 : 28 Connection From 192.168.0.253
5 15 : 58 : 28 Connection From 192.168.0.253
6 15 : 58 : 28 Connection From 192.168.0.253
7 15 : 58 : 28 Connection From 192.168.0.253
8 15 : 52 : 33 Connection From 192.168.0.253
9 15 : 52 : 33 Connection From 192.168.0.253
10 15 : 52 : 33 Connection From 192.168.0.253
11 15 : 52 : 33 Connection From 192.168.0.253
12 15 : 55 : 26 Login : admin
13 15 : 55 : 29 Setup begin
14 15 : 56 : 12 Setup end
15 15 : 56 : 16 Videoloss: CAM 1
16 15 : 56 : 25 Setup begin
17 15 : 56 : 38 Setup end
18 15 : 56 : 43 Videoloss: CAM 1
19 15 : 58 : 03 Setup begin
20 15 : 58 : 48 Setup end
21 15 : 58 : 43 Setup begin
22 15 : 58 : 45 Setup end
23 15 : 58 : 50 Videoloss: CAM 1
24 16 : 02 : 25 Connection From 192.168.0.253
Cancel

17. AVI Converter

17.1 Firstly, save desired video in SSF file as per Chapter #11 Backup Live or Chapter #13 Backup Archieve

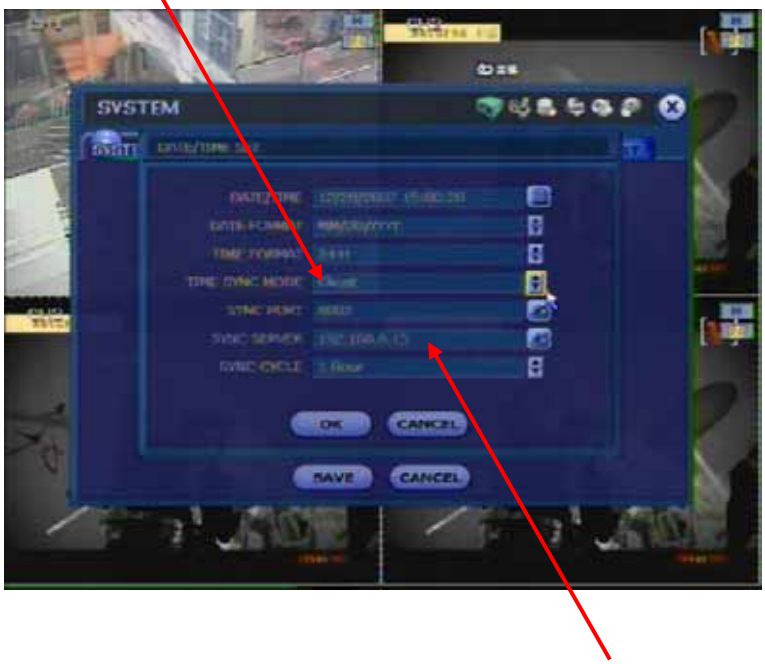
17.2 Then playback the SSF file in Playback VOD mode

17.3 Select AVI Converter icon

18. Time Sync

18.1 RemoteManager PC can act as a TIME SYNC SERVER for multiple client DVR(s)

18.2 In DVR Menu > SYSTEM > SYSTEM INFO > DATE/TIME SET > TIME SYNC MODE > select [Client]



18.3 In SYNC SERVER > input RemoteManager PC's IP address

18.4 Then, such DVR will act as a Client. It will follow the time of RemoteManager PC's time clock automatically according to the period setup in SYNC CYCLE.

19. Appendix (User Authorization)

Level of authority for users in DVR and RemoteManager

Level of authority for the user is linked up between DVR and RemoteManager software. Each user can be set with a different level of authority in the operation of DVR and RemoteManager software by a administrator.

A) Users in DVR's User List

Adminstrator (admin) of DVR can assign each user's authority in DVR's operation.

1) Login the DVR as admin, then add or modify user's authority.
2) If a user has been restricted for a certain permissions in DVR, then those restrictions will also be applied to the operation of RemoteManager software.
   * Live and playback of each channel
   * Search
   * PTZ control
   * Backup

B) Users in RemoteManager's User List

Administrator (admin) of RemoteManager can assign each user's authority.

1) Login the RemoteManager as admin, then add or modify user's authority.
   * DVR Site Registration (add / modify DVR sites in RMS)
   * Backup Live (backup live video to remote PC)
   * AVI Converting (convert SSF file to avi format)
   * Snap-Shot (saving live image or VOD image to remote PC)
   * Printing (print out live image or VOD image)
2) The authority of a certain user at RemoteManager is governed by the permission level set in both DVR and RemoteManger, that is, such user will be restricted according to the authority setting set in DVR (mentioned in A) and RemoteManager (mentioned in B) as well.

Note

Remote user should be pre-registered in DVR with designated permission level.

If user has been registered in RemoteManager only (not in DVR), then such user can not be connected to the DVR via RemoteManager.

19. Appendix (Q & A)

Q & A

Q: Cannot connect to the Server.
A: First, check the network environment. Also, check if the DVR server IP is correctly entered. In case the server does not support corresponding connection method, it could not be connected. Refer to the error message if it appears.

Q: Connection is repeatedly cut
A: Check the network. Incase the state of network is not good or if there is defect in the LAN card, the connection would be repeatedly cut.

Q: Sometimes pink colored screen would be shown while sequencing screen mode.

A: This happens when the VGA of some PC does not support Direct X efficiently. Try to change VGA card. Or disable DirectDraw in <RemoteManager Setting>.

Q: Full screen mode does not support One- screen mode.

A: Requires VGA card which supports the Direct X to see Full One Screen Mode. Or disable DirectDraw in <RemoteManager Setting>.

Q: The screen blinks while sequencing to other screen from Full One Screen Mode.

A: There would be a bit of delay while changing the screen mode to 640×480 for better picture quality of image.

Q: The screen broke on one-screen mode.

A: There could be roughly about 2 reasons. The first reason is when the VGA card does not support Direct X efficiently. The second reason is if the setting is done wrongly even when the VGA card is supporting Direct X. Check if “Screen Pixel” is set to high in the registry information of VGA card and lower down to 60 Hz.

Q: The logo would not come out or part of the logo would be broken while returning to multiple screen modes from 1 screen mode after starting the RemoteManager.

A: It happens when the VGA card is lacking of memory. The memory of the VGA should be at least 64MByte. Or disable DirectDraw in <RemoteManager Setting>.

Q: Image cannot be displayed properly.

A: Disable DirectDraw in <RemoteManager Setting>, and restart RemoteManager again.

Q: Does RemoteManager work in Windows Vista ?

A: Yes, but it is recommended NOT to use Windows Aero color scheme.

19. Appendix (Watermark)

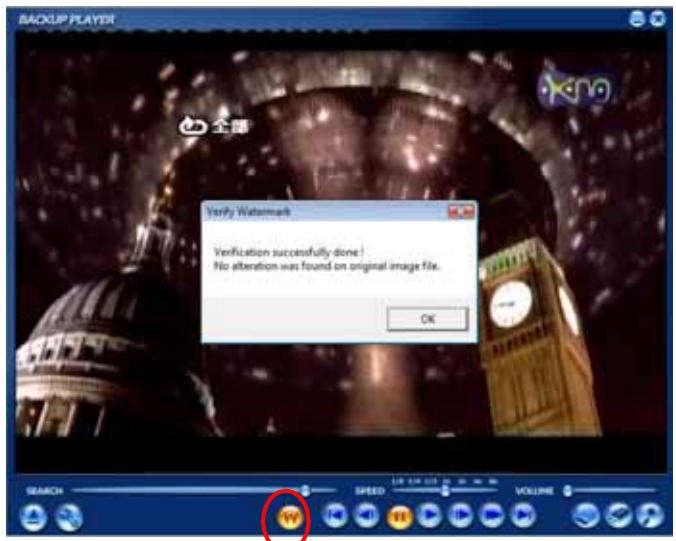
Backup Player

Click on “BackupPlayer” icon to execute Backup Player program.
It can playback both SSF file and AVI file.

SSF file is manufacturer’s propriety format which has been compressed & encrypted by unique algorithm. It cannot be altered by other software.

User can convert **SSF** file to **AVI** format by using [AVI Converter]. When playback AVI video clip in BackupPlayer, user can verify whether the AVI file has been altered or not by pressing “Watermark” button.

No alteration was found on original **AVI** video clip.



Watermark button

AVI video clip has been altered.